

Spring 4-29-1977

Volume 12 - Issue 21 - Friday, April 29, 1977

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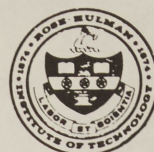
Recommended Citation

Staff, Rose Thorn, "Volume 12 - Issue 21 - Friday, April 29, 1977" (1977). *The Rose Thorn Archive*. 493.
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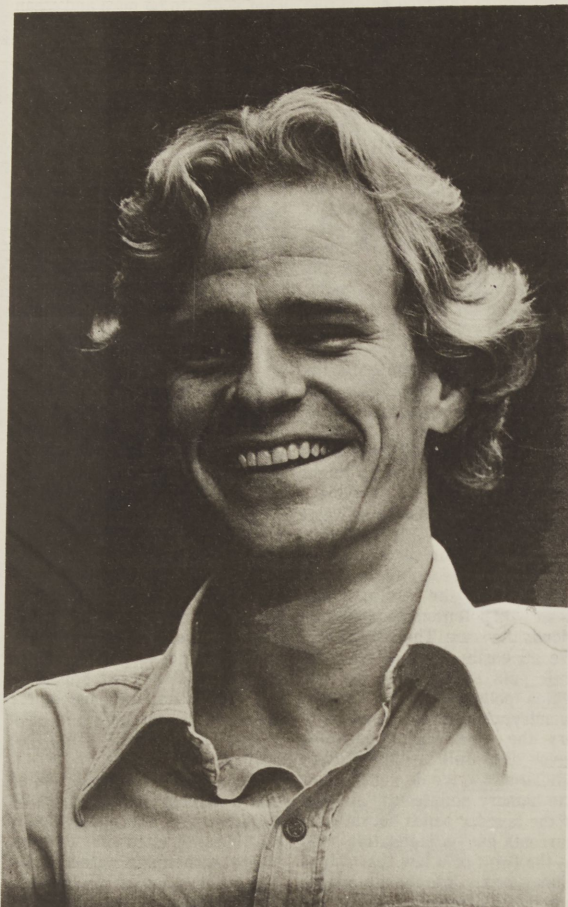


VOLUME 12, NUMBER 21

ROSE HULMAN INSTITUTE OF TECHNOLOGY

TERRE HAUTE, IND.

FRIDAY, APRIL 29, 1977



LIVINGSTON TAYLOR

LIVINGSTON TAYLOR TONIGHT

There is a very special concert tonight at the Tilson Music Hall and it isn't being produced by ISU! The Rose-Hulman Junior Class and the Student Activity Board will introduce Livingston Taylor at 8:00 p.m. Taylor has several albums out on the Capricorn Label and is well-known for the quality and diversity of his musical ability. Performing on the guitar, banjo, and piano Taylor's music can only be described as excellent and varied. Ranging from ballads to up-tempo tunes, Taylor performs

much of his own material as well as several by Ray Charles and others. Many of Taylor's songs show a jazz influence but he is certainly not a performer to be categorized. The concert will be excellent; don't hear about it on Saturday, BE THERE Friday night! The tickets are \$2.50 and are available at the Rose Bookstore; Turntable Records; and at the door. Support the Junior Class and the Student Activity Board and see a fantastic concert TONIGHT!

DR. GRIMALDI RECEIVES TRIANGLE AWARD

Dr. Ralph P. Grimaldi, assistant professor of mathematics at Rose-Hulman Institute of Technology, received the Triangle Fraternity "Teacher of the Year Award" during the local chapter's Founder's Day ceremonies Saturday, April 16.

The award, which was begun at the Rose Tech chapter's Founder's Day as a colony in 1967, recognizes outstanding service as a member of the Rose-Hulman faculty.

Dr. Grimaldi, a native of New York City, earned the B.S. and M.S. in mathematics at the State University of New York at Albany in 1964 and 1965 respectively. After teaching mathematics at the State University of New York and Oswego, he

continued his education at New Mexico State University where he completed the Ph.D. in algebra in 1972. He joined the Rose-Hulman faculty in 1974 following an assignment at St. Xavier High School in Louisville.

The Triangle "Teacher of the Year Award" includes a large paddle for the recipient, inclusion of his name on a permanent plaque in the library and formal presentation for the honor at the Founder's Day banquet.

Former winners of the award are Dr. Oran Knudsen, Dr. Theodore Sakano, Professor John Biel, Dr. Alan T. Roper, Dr. John T. Ying, Dr. Herman A. Moench, Dr. Herbert R. Bailey, Dr. Terry Ishihara, Dr. James R. Eifert, and Dr. Jerry A. Caskey.

PRESIDENT'S COMMISSION REJECTS CO-EDUCATION

The Commission on Coeducation determined that before the coeducation question could be completely analyzed, it would be necessary to elicit opinions from the student body concerning this issue. Therefore, the subcommittee on student life was created. This subcommittee's main responsibility was to poll the students and obtain, if possible, quantitative data which would help the commission make its recommendation. The following is the questionnaire which 787 students completed. Each question will be followed by a brief summary and analysis of the results.

11) I feel that if Rose-Hulman becomes a coeducational college, the quality of social activities will

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|---|---|------------|---|---|---------------------|
| greatly decline | | | not change | | | be greatly enhanced |

Of the 787 students answering this question, the following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|----|----|-----|-----|-----|-----|
| 12 | 24 | 35 | 156 | 221 | 174 | 165 |

The mean for this question is 5.20076 with a standard deviation of ± 0.049 . From this information, it can be readily seen that the majority students believe that there would be an enhancement of the social life here at Rose if women were admitted. In fact 71.2% of the students answering this question indicated this feeling by indicating it with an answer of 5, 6, or 7.

12) I feel that if Rose-Hulman becomes a coeducational college the quality of intramural activities will

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|---|---|------------|---|---|---------------------|
| greatly decline | | | not change | | | be greatly enhanced |

Of the 786 students answering this question the following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|----|-----|-----|-----|----|----|
| 32 | 46 | 117 | 353 | 140 | 49 | 49 |

The mean for this question is found to be 4.10178 with a standard deviation of ± 0.047 . From this information, it can be stated, with some certainty, that the students largely felt that there would not be any noticeable improvement or decline in the quality of intramural activities. 44.9% of the students answering this question indicated that the quality of intramural sports would not change.

13) I feel that if Rose-Hulman becomes a coeducational college the quality of varsity athletic sports will

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|---|---|------------|---|---|---------------------|
| greatly decline | | | not change | | | be greatly enhanced |

Of the 785 students answering this question, the

following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|----|----|-----|-----|----|----|
| 18 | 24 | 82 | 475 | 114 | 37 | 35 |

This mean for this question is 4.13885 with a standard deviation of ± 0.038 . From this information, it can be stated with some certainty that the prevalent feeling among those answering No. 13 was that there would be little if any change in the quality of varsity athletics at Rose-Hulman. 60.51% of the students indicated that there would be no change.

14) I feel that if Rose-Hulman becomes a coeducational college the quality of clubs and organizational activities will

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------|---|---|------------|---|---|---------------------|
| greatly decline | | | not change | | | be greatly enhanced |

Of the 786 students answering this question the following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|----|----|-----|-----|-----|----|
| 13 | 12 | 44 | 247 | 232 | 142 | 96 |

The mean for this question is found to be 4.886768 with a standard deviation of ± 0.036 . From this information it can be seen that the majority of students believe that there will either be no change or there will be some positive enhancement in the quality of clubs and organizational activities at Rose. 59.8% of those answering this question weighed their answers as either 5, 6 or 7.

15) The all-male student body of Rose-Hulman influenced my decision to enroll here

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------------------|---|---|------------|---|---|---------------------------|
| as a very negative factor | | | not at all | | | as a very positive factor |

Of the 785 students answering this question the following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|----|-----|-----|----|----|----|
| 85 | 82 | 137 | 287 | 91 | 55 | 48 |

The mean for this question is 3.72646 with std. of ± 0.062 . From this information it can be seen that students generally felt that the fact that Rose-Hulman was all-male had some negative effect on their decision to enroll here. In fact, 36.6% of the students questioned felt that the all-male student body had no effect on their decision to enroll here, 38.7% felt this fact had some form of negative influence on their decision to enroll here, and only 24.7% of the students answering felt that this fact had some form of positive influence on their decision to enroll here.

16) Coeducation at Rose-Hulman

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------------------------|---|---|---------------------------|---|---|--------------------------------------|
| is to be avoided while I'm here | | | makes no difference to me | | | is to be started as soon as possible |

Continued, Page 2

Summer Employment

Manpower, Inc., the world's largest temporary help firm, expects to have jobs for more than 25,000 students with office work skills throughout the country this summer, a substantial increase over last summer, according to Mitchell S. Fromstein, President of Manpower.

"Every year students add an important dimension to our work force. This year they'll play an even bigger role because of the optimistic job forecast Manpower has received from businessmen," Fromstein said.

A recent survey of 5,000 businessmen nationally conducted by Manpower indicates business hiring is on the upswing with a growth projected for this spring and summer in the service and retail trade areas.

When students go looking for jobs, they swell a parttime U.S. workforce that already includes some 16,000,000 people. Ironical-

Continued Page 2

SPRING HONORS

Twelve students received individual awards for academic excellence as Rose-Hulman Institute of Technology conducted its Spring Honors Convocation Tuesday.

Highlights of the convocation was the presentation of a new award — the C. Leroy Mason Award for outstanding achievement in physics. Professor Mason, who served the institute as professor of physics from 1943 to 1966, presented the first award to Michael C. Simmons, a sophomore physics major from Orlando, Fla.

Other awards presented at the convocation included the Outstanding Senior Electrical Engineering Award to John A. Vincent, Evansville, and the Institute of Electrical and Electronics Engineers' Outstanding Student Member Award to March graduate Thomas Cortes, Cape Girardeau, Mo.

William R. Creel, Jr., a senior mathematical-economics major from Stanleytown, Va., received

the John G. Biel Economics Award, while Joe K. Higbee, R.R. 2, Shelburn, a senior mechanical engineer, was the recipient of the Wall Street Journal Awards as the outstanding student pursuing an area minor in economics.

Five students who demonstrated outstanding scholarship in the 37th Annual William Lowell Putnam Mathematics Competition and the Annual Indiana Small College Mathematics Contest were awarded the mathematic department's Certificate of Merit in Mathematics. Winners were Barry Carlin, Cincinnati, Ohio; Robert A. Strickland and Jan Slupesky, both of Indianapolis; Patrick E. Miller, Louisville, Ky.; and Richard M. Priem, Parma, Ohio.

Other mathematics students recognized for participation in Rose-Hulman's nationally-ranked mathematics team were Michael (Tony) Mazzoni,

Continued, Page 2



Dr. Hulbert Presents Medal to Dr. Hugh Macaulay.

Dr. Hugh Macaulay Receives Medal

Dr. Hugh H. Macaulay, Jr., Alumni Professor of Economics and Industrial Management at Clemson University received the Chauncey Rose Medal last Friday in recognition of his contributions to the free enterprise system during a special convocation at Rose-Hulman Institute of Technology.

Dr. Macaulay also presented the annual Oscar C. Schmidt Lecture on free enterprise to the Rose-Hulman student body, faculty and guests. The endowed lecture was initiated in 1953 and has brought national leaders of business, industry and government to the campus to discuss the place of business in the American way of life.

Speaking on the topic, "Some Good News From the Dismal Science," the noted economist and expert on taxation and the economics of freedom dealt with the economics of pollution abatement.

Dr. Macaulay suggested that pollution of air and water might best be dealt with by "levying a charge on people who throw waste into air and water. They will stop polluting at some level when it becomes unwise to pay the price."

"Much of the rhetoric has dealt with pollution, and pollution clouds the issue. The issue is use. We all easily see how the steel mill puts smoke into the air, which pollutes the air for the laundry which needs clean air to dry the sheets. Wind currents favor the mill as they carry smoke away. We do not see how the laundry pollutes the air. But if the laundry relies not on wind currents but on legislative wind in the form of a law that smoke cannot be put into the air, the air has become polluted for the use desired by the steel mill."

"Law beats gravity and wind currents like three of a kind beats two pairs. But the issue is use. As the steel mill makes greater use of the air, the laundry makes less. As the laundry is allowed to make greater use of the air, the mill must make less," Macaulay continued.

"A year ago I had the opportunity to interview about 40 officials in 23 countries concerning environmental pollution. Almost

invariably, they would say to me, 'We believe the polluter should pay. Do you?' To which I would reply, 'Yes, but you will not agree with my interpretation on the question. Even people who want water to be pure and clean are polluting the water for people who want to use it in other ways, and they should pay.' If the proposition is put more generally, it may be more easily understood. The user of environmental quality should pay for his preferred use whenever, because of gravity or law, he gets his way and this limits the use someone else would like to have enjoyed."

Macaulay suggested that efficiency would arise in the free market approach to pollution abatement "because environmental quality will be divided among bidders, just as land is, with the amount each one receives being determined by how much he will pay. A willingness to pay a higher price generally means a more productive use."

"I promised you good news from the dismal science. The good news was supposed to be that we are beginning to understand the economic forces involved in environmental pollution (or use) and that all this should some day lead us to greater efficiency and happiness."

The usual message of the economist is that there is no such thing as a free lunch — or a free environment."

The Clemson professor noted that a number of regulations on pollution are not economically feasible and cited one instance where economists agree that a \$400 billion clean-up would result in \$3 billion in environmental gain.

Prof. Macaulay holds the B.S. and M.S. from the University of Alabama and the Ph. D. in economics from Columbia University. He has been a member of the faculty at Clemson University since 1949, having been away from Clemson for an assignment with the Internal Revenue Service and leaves as a visiting professor at Texas A & M and Texas Tech universities.

lives in Milwaukee, Wis., and during the Christmas vacation she works in Manpower's Milwaukee office.

SPRING HONORS (Continued)

Greenwood, and Bob Luoma, Lansing, Mich.

The freshman and a sophomore who improved their grade point averages the most during the first and second years at Rose-Hulman were awarded prizes from the D. J. Annuus Scientech Educational Foundation. Gregory S. Opiola, a sophomore mechanical engineering major from Bloomington, improved his cumulative average more than one point on a four-point system during his first year.

Larry J. Beal, a junior mechanical engineering major from Scottsburg, received the other Angus Scientech Award for outstanding improvement as a sophomore.

Seven seniors and a junior were awarded Rose-Hulman Honor Keys for participation in extra-curricular activities and athletics. They were seniors Mark Salzbrenner, Lakewood, Ohio; Mike Cox, Decatur, Ill.; Randy Ridgway, Frankfort; Paul Koch, Cincinnati, Ohio; Mike Griggs, Mendon, Ohio; Wyn Laidig, Mishawaka; and John Lassell, Waupaca, Wis. The lone junior having earned enough points for an Honor Key was Dennis Funk, Walcottville.

Co-Education (Continued)

Of the 787 students answering this question, the following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----|----|----|-----|-----|-----|-----|
| 150 | 68 | 83 | 113 | 117 | 113 | 142 |

The mean for this question is 4.127 with a standard deviation of +0.076.

This is a crucial question in the analysis of student opinion. There are several different ways of looking at question 16, and all are based upon how one utilizes the 113 students indicating that they felt it made no difference to them whether Rose went coed or not.

The first way of looking at this date would be to assume that since 113 students were indifferent they would in reality prefer to see Rose remain as it is since they didn't feel that any significant advantage would be accrued by them if Rose went coed. This would mean that 52.6% of the students polled were opposed to coeducation.

Secondly, these 113 students could be used to argue that Rose should go coed since such a change wouldn't make any difference to them. This would mean that 61.6% of the students polled either had felt coeducation meant little to them or were in favor of such a move.

Finally, the 113 students could be eliminated from the distribution entirely, leaving 38.2% of the students opposed to coeducation and 47.3% of the students in favor of such a move.

17) If Rose-Hulman were coed, the overall employment prospects for me would be

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------|-----------|------------------|---|---|---|---|
| greatly detracted | unchanged | greatly enhanced | | | | |

Of the 783 students answering this question the following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----|-----|-----|-----|----|---|---|
| 102 | 108 | 204 | 331 | 24 | 8 | 6 |

The mean for this question is 3.14687 with a standard deviation of +0.042. The results of this question indicated that the majority of students polled either had no positive or negative opinion concerning coed's effect on employment prospects or were negative in their feelings. In fact, 52.9% of those polled felt that their employment prospects would be hurt in some manner if Rose went coed, while 42.3% felt that coeducation wouldn't affect their job prospects at all.

18) Attending classes and labs with female students would

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--|----------------|---|---|---|---|---|
| definitely enhance the quality of my education | have no effect | definitely detract from the quality of my education | | | | |

Of the 782 students answering this question the following distribution resulted:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|----|-----|-----|-----|----|----|
| 82 | 65 | 125 | 295 | 112 | 52 | 51 |

The mean for this question was 3.831202 with a standard deviation of +0.055. The results of this question indicate that the majority of students feel that coeducation would have little or no effect on the quality of their education.

Therefore, the commission has voted to recommend that Rose-Hulman continue as an all-male school. The reasoning is that, while some students feel strongly for co-education, many others are strongly against it. The findings of the poll indicate that students are in favor of continuing the status quo, and thus, Rose-Hulman will continue, for the time being, as an all-male school.

SGA

PRESIDENT'S REPORT

The Student Government Association needs the support of freshmen, sophomores, and juniors on the faculty committees next year. These committees are usually chaired by a faculty member or an administrator. All of these committees have the potential to be outstanding and may effect the future of Rose.

Dave Johnson has been accepting applications and will continue this and interviewing until next week. So, if you feel you can contribute some time and energy to improve Rose, please stop by and see Dave or pick up an application form for these committees, which are available in the SGA office.

People already appointed are John Rasp, treasurer, and Greg Migaki, secretary.

Most girls nowadays are convinced that opportunity no longer knocks at the door — he sits outside and honks.

THE THORN

Editor Bob McCarty

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What to tell your folks when you decide to change your major.

Dear Mom and Dad—
No one was ever very successful at something
he didn't believe in.
I'm no different.
For some time now, I've been plugging away
at my major. My grades aren't bad. My teachers
aren't bad. Everything's not bad. But for me,
that's not good enough.
So I'm changing. I'm starting from scratch
in a field that does excite me. I believe in it.
And I know deep down, I'll be better at it.
And happier at it.
I hope you're not disappointed in me.
I rather hope you're proud of me.
Let's talk about it when I get home.

—Love

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BUSCH

When you believe in what you're doing,
you just naturally do it better.



OPENING FOR SGA BUSINESS MANAGER

Applications are now being taken for the petition of business manager of the SGA.

The business manager is traditionally responsible for the revenue-generating activities of Student Government. He is in charge of refrigerator rentals, and will also take care of any other money-making schemes that SGA comes up with next year. He will work closely with the SGA treasurer in this capacity.

Those interested in the position or desiring more information about it should contact John Rasp (Box 162) by Monday, May 2.

PLATTER CHATTER

by Tod Stansfield

Hotel California — Eagles

This is one group that really doesn't need a long winded introduction. They have been on the forefront of the slightly mellow rock scene and have seemingly been able to crank out hit after hit. This new album, *Hotel California*, is no exception from this point of view. Those of you who keep up with top forty will immediately recognize the hits; New Kid in Town, Hotel California, and Try and Love Again, all of which are on this album.

Each one of the hits that this album has produced is a singular classic, they are the type of songs that keep on giving time after time. The big question is, does this album contain any more classics which have been obscured by the fervor of top for-

tydom. Unfortunately, the answer is no. After many, many playings and extreme concentration, I am still unable to recall the tune or the words to most of the songs on this album. The next question might be, how bad are they. The only answer I can give to this is that they aren't. There is not one song on the entire album that can be considered really bad.

Perhaps the true calling of this album is that mundane but demanding task of suitable study music. It has only three songs that require that you stop studying for and the rest will give you that relaxed atmosphere that is so important when studying.

Is it worth buying? Yes, but not at list. I would suggest you look for it on sale, it is worth buying.

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SUMMER HELP WANTED

Two full time and several part time positions are available for the summer to students who will be in the Terre Haute area.

Housing is available on campus. The work is varied and involves projects both in the dorms and in the Union. See Mike or Lucy Samara if you are interested.

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